



THE BLUE

A.R.E.A. MEMBER

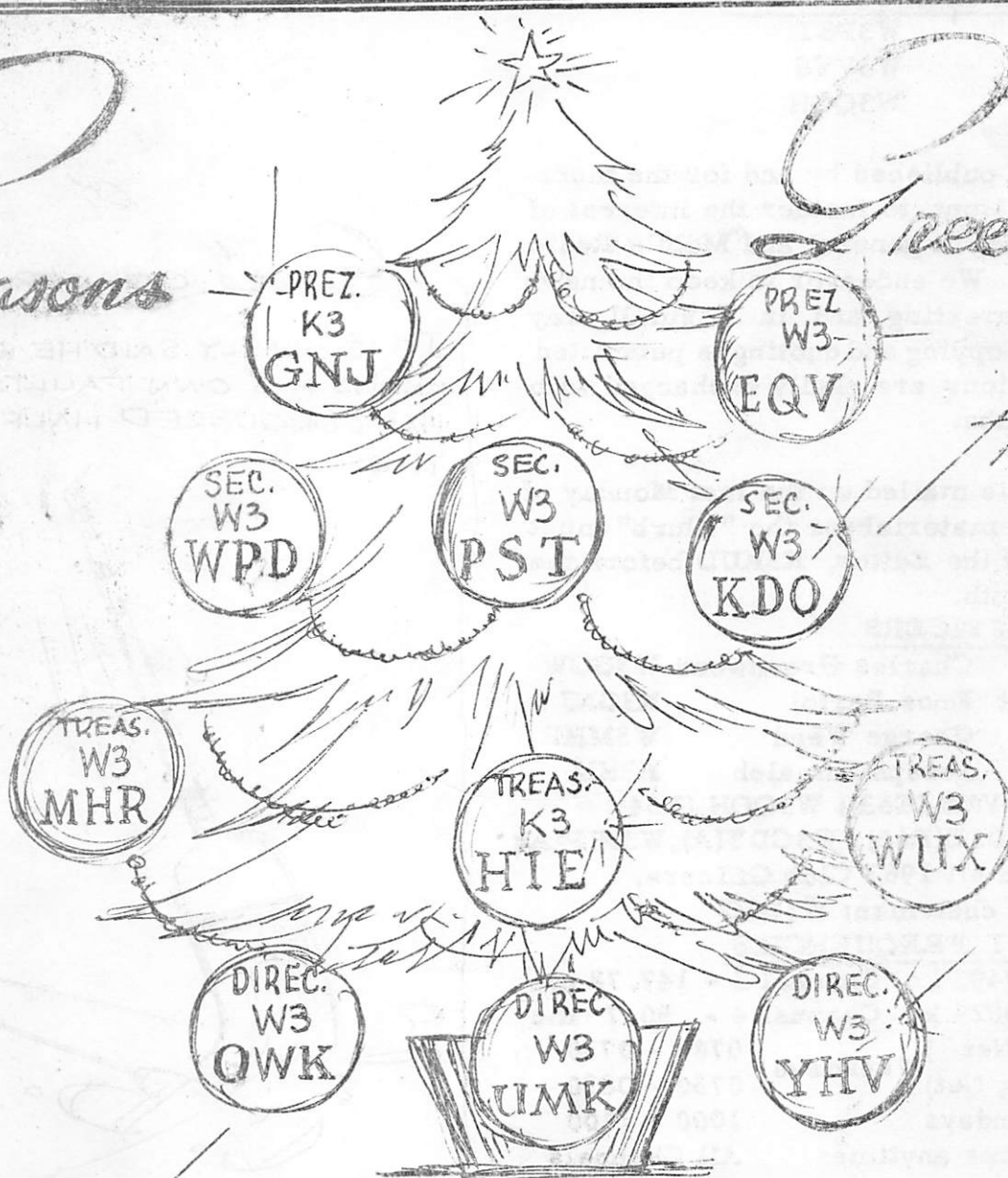


DECEMBER 1963

PHILMONT MOBILE RADIO CLUB INC.

Seasons

Greetings
from



PHILMONT and our CANDIDATES

EDITOR

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The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and Mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "Blurb" is mailed on the last Monday of the month. All material for the "Blurb" must be received by the Editor, K3KUD before the 15th of the month.

1963 CLUB OFFICERS

President Charles Greenwood W3GOW
Vice President Enos Bartol K3GNJ
Treasurer George Weed W3MHR
Secretary Joseph Elmaleh K3HLJ
Directors: W3VVS (E63); W3QQH (E64);
K3DJE (E65); W3CDY(A); W3NIP(A);
and all 1963 Club Officers.

New members chairman: W3DSG

NET AND NET FREQUENCIES

Channel 1 - 29493 kc **Channel 3** - 147.78 mc
Channel 2 - 29629 kc **Channel 4** - 50.7 mc
Orange Juice Net) Weekdays 0700 - 0730
Scrambled Egg Net) 0730 - 0830
Ten on Ten Sundays 1000 - 1100
Blarney sessions anytime All Channels
29493 kc 0930 - 2400
Monitored daily for the benefit of mobiles in the Philadelphia area.

P M R C CALENDAR

MEETINGS

Regular Meetings: First Monday
of each month.

Time: 2000 hours (8:00 p.m.)

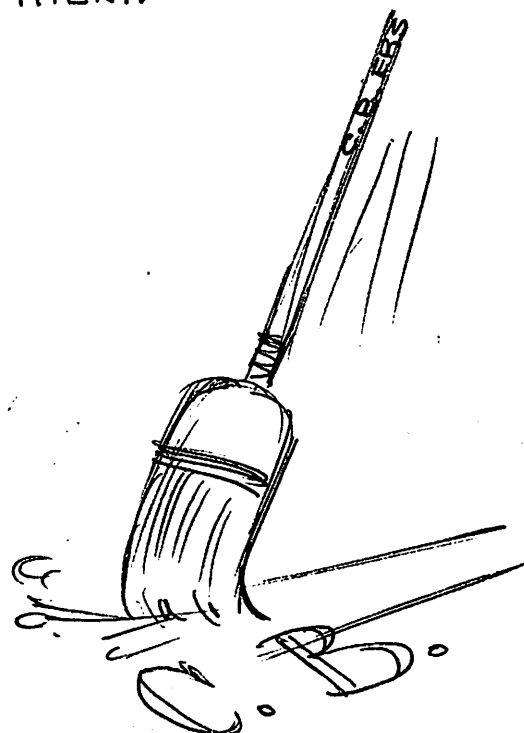
Place: FRANKLIN INSTITUTE
20 & Benj. Franklin Parkway

MID-MONTH SCHEDULE

Mar. 13, W3EQV - **Aug. 14, W3DJW**
Apr. 17, W3WNC - **Sep. 18, W3HFD**
May 15, W3GOW - **Oct. 16, W3AWH**
June 12, K3KUD - **Nov. 13, W3AK**
July 17, W3NIP - **Dec. 18, W3MHR**

Sam's CORNER

IT IS WISELY SAID HE WHO
KNOWS HIS OWN FAULTS
HAS CONQUERED HALF OF
THEM.



THE PREZ SEZ

Now that I'm approaching the end of my term as President of Phil-Mont, I wonder why I first shied away from the opportunity. Perhaps my reluctance was due to the fact that I knew that I wouldn't have any brilliant innovations to offer, or that I wouldn't be any "spell-binder" when it came to addressing the meetings. Well, I'm still not an innovator, or a spell-binder, but I've enjoyed "learning the ropes" of the office, and finding out that what it actually requires is a conscientious approach, and a lot of help from the many loyal members who are always "on deck" when the need arises.

I offer these comments in the hope that they may influence qualified members (of which there are many) who may be hesitating for the same reasons I did, to consider putting their names up for office. Those who have been willing to do this are few, and they deserve to be joined by others.

In Phil-Mont, we have a fine club, worthy of our best efforts, whether they be brilliant, or just a conscientious attempt to do our best for a club which has given us much pleasure. If we continue to hold back with the attitude "Let Joe do it," "Joe" may get tired and quit, and then where will we be?

W3GOW

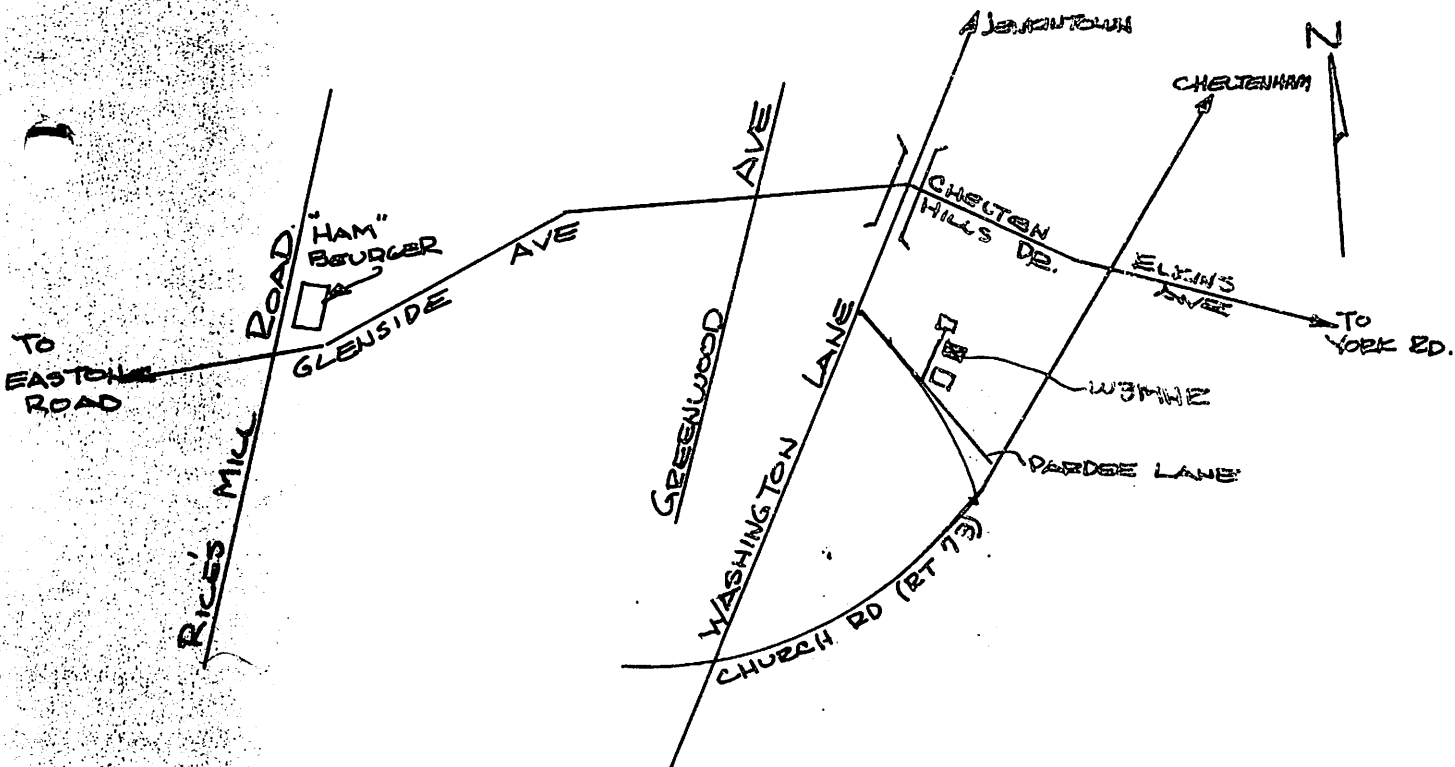
IT SEEMS TO ME

It is frequently difficult to find an idea which can be expanded sufficiently to make a worthwhile editorial. This month, however, the subject matter is not the problem, but rather, the treatment it should receive.

I refer, of course, to my being selected as Outstanding Member of 1963. To simply say that I appreciate the honor is not enough, and yet that is the whole story. I accept the award gratefully, but fully aware that while my name appears on it, the entire staff of the BLURB has been complimented at the same time.

I hope that we can continue to give the membership an interesting, wide-awake publication and thus continue to earn the vote of confidence you have expressed.

de K3KUD



MID-MONTH MEETING FOR DECEMBER

The map above was made by W3MHR to aid the members coming to his house for mid-month meeting. Parking facilities at George's home are very limited—there being room for not more than four cars at the house and possibly three or four on Pardee Lane. George suggests car pools to the greatest possible extent and also suggests using Gimbel's Cheltenham parking lot as a rendezvous. There will be a rig on the air to provide assistance.

LETTER TO THE EDITOR

"At the October mid-month I initiated discussion on the advisability of encouraging nominal donations to the club treasury in consideration of major assistance received from the antenna committee. This is not a new or original idea; several years ago, when the antenna committee was conceived, it was with the understanding that its work would be so recognized. The donation was to be in addition to the personal gratification of the committee workers, not to supplant it, or put a price on friendship.

I can see nothing wrong with such an arrangement. The individual benefits by having a job done that he could not do alone; the committee benefits from enjoyment (?) of an outing and knowledge of a job well done; and the club benefits from more good signals and a bigger cash box to finance improvements in W3RQX's coverage. There are some, however, who, even while acknowledging these benefits, are fundamentally opposed for personal reasons to any monetary involvement in intra-club activities. This is a matter that cannot be decided justly by a voting process, since a majority decision favoring acceptance of donations (which appears to be the likely result) would disregard the personal values, or convictions, of the minority. Nothing short of a unanimous decision would be adequate in this case, and since such a decision is highly unlikely, it appears that the matter best be dropped."

W3QZ0

CLUB NEWS AND ACTIVITIES

The November meeting probably set a record for brevity, but in spite of this was interesting and important, since the featured business was the announcement of the nominees for the year 1964, by the Nominating Committee. (A list of the nominees appears elsewhere in this issue.) Jim Hartmann, W3JYA, did a bit of interesting commercializing by demonstrating two new pieces of equipment. One, a six-meter fixed/mobile rig and the other, an engineering prototype of a SSB transceiver, which can be put on any frequency from 27 to 60 mc by changing crystals and retuning the filter for the desired band. A single rig of this type will cover 27 mc (CB), 10 and 6 meters. Jim removed the rigs from their cases and heroically permitted unlimited looking, studying and, of course, criticizing. The business portion of the meeting was handled by Enie, K3GNJ, acting for the absent president, W3GOW.

The following is a list of the nominees for various offices in the club as presented by W3GIF, speaking for the Nominating Committee:

President

Ed Moore, W3EQV
Enie Bartol, K3GNJ

Secretary

Harry Carl, W3KDD
Woody Haldeman, W3PST
Al Lewis, W3MPD

Treasurer

Bill Clayton, K3HIE
George Weed, W3MHR
Bob Pattison, W3WUX

Director

Al Jorett, W3OWK
Dick Behrens, W3UMK
Bill Bubeck, W3YHV

December is the month in which we will elect the officers who will run our club for the 15th anniversary year. We urge all members to be present and vote. The slate as listed above is an excellent one, with very willing and capable people listed, but the final choice must be made by the members. For those who cannot be present, absentee ballots are permitted. Use the official ballot which appeared in the November BLURB only and be sure that it is received by John Tinaglia, W3AWH, before the meeting date.

The monitor rig at W3TKQ had some minor problems which unfortunately appeared during one of the code practice sessions on channel 2. W3QQH reports that a couple of new 1625's, a new RF choke and some other minor work took care of the problem and we are now back in business EVERY SINGLE MINUTE.

The only reported Mischief Night Patrol this year was carried out in Newtown Township with Dick, K3KDP; Jon, K3HWW; Bob, W3WUX; Bill, W3FTZ; and Bob, W3ZEH, participating. We understand that the Chief of Police was very well satisfied with the job these fellows did for him.

CLUB NEWS AND ACTIVITIES (continued)

Enie, K3GNJ; Al, W3GIF; and Dick, K3KDP, were three of a group of hams who put their mobiles to work aiding in the distribution of Salk Vaccine during the last immunization Sunday. We regret that a complete list of those who took part is not available, but many thanks to you all never the less, for helping out in this important activity.

* * * * *

Watch for an FCC ruling prohibiting interstate phone patches. Telephone companies are very unhappy about the use of such patches for the sole purpose of avoiding toll charges. They point out that the cost of a toll call from Miami to any city in the United States is now about \$1.00, and feel that this cost is so reasonable that the use of patches for run-of-the-mill communication is unwarranted. The FCC apparently agrees and a ruling is expected within ninety days.

* * * * *

Abington Township is presently in the throes of a tower restricting building code proposal. Some of the requirements and limitations proposed by this as yet unofficial document are so stringent that many of the hams would be virtually out of business. Efforts are being made to prevent the blind passage of this code without due consideration of all the ramifications. While existing towers and antennas would probably not be affected, strict limitation of future installation would be certain to have an effect on the morale of the hams of the area, which in turn would certainly be reflected in the degree of cooperation given to the RACES, CD and other emergency services of which the township fathers are so proud.

* * * * *

Examination for Novice, Technician and General Class Amateur licenses will be held on December 6 at 7:00 PM at the West Catholic High School. Code tests will be held first and the technical examination will follow. Everyone is welcome to come in and have a go at it.

* * * * *

SEASON'S GREETINGS TO YOU ALL FROM
THE EDITOR AND STAFF OF THE BLURB

ANNUAL DINNER-DANCE

On Saturday evening, November 16, 160 Phil-Monters and their guests gathered at the Llanerch Country Club to enjoy a fine dinner, dancing and fellowship as the club held its annual dinner-dance.

Speeches were limited to a short welcome by the President, Charles Greenwood, W3GOW, and the introduction of the candidates for office in 1964. John Tinaglia, W3AWH, served as Master of Ceremonies and handled the job in fine style. The awarding of door prizes provided entertainment for everyone and, of course, goodies for the winners. Art Dieffenberger, W3QFH's XYL, had once again done an excellent job of selecting and obtaining the prizes for the ladies, as was evident from the smiles of the winners.

Paul Bohlander, W3VVS, acting in his capacity as Chairman of the Awards Committee made four presentations. The awards and their recipients were as follows:

Outstanding Member of 1963

To Ye Olde Editor, K3KOD, for doing a job he enjoys, getting the BLURB together.

Phil-Monter of the Year

To Erle Bartol, K3GND, in recognition of his continued interest and activity in behalf of the club.

Lady Phil-Mont

To Elaine Spencer, W3QQH's XYL, for her long standing patience with people dropping in at all hours for help, parts, or encouragement; and with hours spent at the work bench on Phil-Mont projects.

Iduabmug

To Fred Shaw, W3ADV, for missing the expiration date of the license for W3TKQ, of which he is trustee.

Paul also had all previous winners of the Outstanding Member Award who were present stand up and be introduced.

A certificate of appreciation was presented in absentia to Sam Kuncovich, who provides the art work for our BLURB, and has done so for some time.

The winner of the NC-270 was Raleigh, W3PWG, who promptly put it to work and reported on the net on Sunday that it was working very well.

We would like to compliment the Banquet Committee headed by Al Lewis, W3WPD, for an excellent job, and there is no question that a lot of work and thought went into this affair. The result was excellent and everyone was well pleased.

Our best wishes to Lou, W3GOW's XYL, who was under doctor's orders not to attend the affair, and therefore missed her first banquet in seven years.

In addition to Phil-Mont, there were thirteen other clubs or organizations represented at this year's banquet, and we are sure that all present were well pleased. We are very happy to have you all with us at these events.

LATE FLASH

John Lopes, W3GJF, told us at the banquet that starting on November 20, "Ham" Buerger's would monitor Channel 1 during store hours, 0900 to 2100 on weekdays and 0900 to 1500 on Saturdays. This adds another dependable link to our monitoring set-up and is appreciated. The call at the store is W3BAH.

SPACE NOTES

A solid state system for receiving and processing weak signals from space sites will be used by NASA's RTM relay system on advanced satellites. The device is composed of 128 active elements which are capable of detecting and reconstruct weak signals. The system is designed to reconstruct signal as well as a binary level of data or information data.

Project West Ford has been a success. The fine copper needles or diodes put into orbit last May proved to have a significant communications capacity, yet produced no adverse effect on optical or radio astronomy. The dipole belt can be detected only by special equipment designed for the purpose. The tiny wires were used for relaying voice, teletype and high speed data up to 50,000 bits of information.

A new communications cable which can withstand the crushing force of icebergs up to 100,000 psi will be used in the ICECAN communications network near Greenland. The new cable has an inside solid copper conductor, surrounded by insulating polyethylene and a copper outside conductor over which is steel armor in a bedding of jute, over this another second and third steel wire armor.

The TV telescopes, image orthicon tubes coupled with long focal length telescopes, are producing high resolution photographs of satellites and celestial objects.

An aluminum power divider for coaxial cables provides an equal power division through each arm at 240 mc. The mating ends are "N" type females and will mate with any 50 ohm "N" type plug. The VSWR is less than 1.5:1 at 240 mcs, and maximum power loss is 0.5 db. The power division at both output arms has 50 ohms impedance.

THE "EYEBALL NETWORK"

In Oklahoma City there is today a girl, aged two years, who for several hours last March was faced with the prospect of a lifetime of blindness. An accident damaged the corneas of her eyes and a transplant was the only hope that doctors could offer. The local eyebank, however, had no corneas available and no interoffice communication existed among the 60 eyebanks throughout the country.

Thanks to a remarkable group of ham operators, a cornea was found for this child, and her sight was saved.

These hams, calling themselves the "Eyeball Network," form the first and most efficient link between the various banks. The network's 25 members in 16 cities are notified at any hour by their local eyebank of emergency needs or excess corneas. Twice daily, at 0700 and 2000, the net goes on the air on 3970 and 3963 kc to exchange the information. Corneas are rushed by jet to the city in which they are needed and immediately put to use by the surgeon. Eye injuries must be corrected swiftly or irreparable complications develop. Only amateur radio can offer the daily exchange of information, the complete freedom from communications charges, and the wide coverage required.

The nicest part about writing the above is that I can cheerfully and proudly add--Harold Hogan, W3ZN, a Phil-Monter, is a member of the "Eyeball Network." (ED)

SWAP AND SHOP

For Sale: 2 meter xmtr. 2E26 final, plate modulated.
Metered, xtal switching, built-in relay and
filament transformer.

2 meter tunable converter, large dial, five
tubes, low noise figure, built-in filament
transformer and xtal calibrator. 10.7 mc
output.

Both the above units in individual matching
6" x 8" x 10" cases, beautiful construction,
in excellent condition.

\$55.00

Pentron PMD-1 tape recorder. Two track, two
speed. Pre-amp has built-in VU meter.
Excellent condition.

\$50.00

Navy TCS xmtr. VFO and xtal from 160 meters
to 12 mc. Phone and CW, 20 to 40 watts OUTPUT.
Built-in antenna tuner, RF ammeter, plugs and
manual. Good condition.

\$35.00

Contact W3SMA
Phone: LOWell 6-6788

For Sale: Hi-fi push-pull amplifier/speaker enclosure.
1-12" woofer; 2-5" tweeters. 5 tube amplifier.
Corner cabinet. (Silverstone)

\$25.00

Hi-fi push-pull amplifier/speaker enclosure.
1-8" woofer; 2-4" tweeters. 3 tube amplifier.
(Olympic model SA813)

\$25.00

Contact J. Kasper
Oak Valley, New Jersey
Phone: UL-7-1206

For Sale: Eico 772 transceiver (factory wired). 6 watts
on Channels 1 and 2. Used only 5 hours. With
Channel 1 transmit and receive xtals.

\$85.00

Lafayette HE-50 modified. Runs 25 watts peak.
Screen modulated. Built-in transistor power-
supply and link coupled output. Runs on 12 vdc
only. With squelcher and mike.

\$65.00

Contact Dick Klein, W3WXC
Phone: BR-9-9989

SWAP AND SHOP (continued)

For Sale: TV antenna-T-Bird G-707Q8. List price \$65.05
TV antenna Model 1850A (12) List price \$14.50
Will consider any reasonable offer.

Contact Mr. Hecksher
% The Franklin Institute

For Sale: Hammarlund HQ-110C Receiver \$160.00
HC-10 SSB adaptor for above receiver \$ 65.00
(Both of the above as a package for only) \$200.00

Contact Bill Bubeck, W3YHV

For Sale: Gonset Twins, G-66 and G-77 complete with mike
and power supply.

Contact Bob Diefenderfer, K3DJE

Wanted: Johnson Matchbox or equivalent.
Line Matching Device, Beam Type.
10 watt bull-horn (for calling crows and kids
on the farm)

Contact George King, W3PXY

TID-BITS

Senator Barry Goldwater, K7UGA/K3UIG, gave history a personal touch for a group of high school students on Long Island recently. The students' history teacher, a ham, contacted the senator on the ham bands during the class period, and after a brief talk on current events the senator answered questions put to him by the students.

Don't forget that all applications for license renewal submitted after January 1, 1964, must be accompanied by payment of a fee in the amount of \$4.00.

Gene Pressler, W3ZXV, co-editor of the North Penn Radio Club STATIC, has been nominated for the office of President of AREA for the year 1964. Congratulations and best wishes to Gene, who was mighty helpful to the Olde Editor when he was just starting out.

TID-BITS (continued)

The University of Michigan and the U.S. Naval Observatory have reported what they believe to be the first sunspots in the new cycle. This cycle should reach its peak in 1968.

Electronics Design News reports that a group of radio amateurs, members of a newly formed club at Electro-Optical Systems, Inc., have set a record for audio transmission using a laser. The transmission was over a distance of 118 miles with a laser output of 125 milliwatts. Transmission for this distance at equal power level has never been accomplished by any other transmission medium.

The laser beam was collimated by a 10 power telescope built by club members and the laser was excited and modulated by a 100 watt amateur transmitter. The transmitter-exciter was operated at a frequency of 28.62 mc. The test took place in the Mojave Desert between the Panamint and San Gabriel mountains, this being the only available spot for line-of sight transmission. The optical alignment of the equipment over this distance was a major problem, but was accomplished without the aid of precision equipment. A misalignment of 0.030" at the transmitter resulted in deviation of 1/10 mile at the receiver. A six meter control link was used for setting up the sites. The width of the laser beam at 118 miles was 150 feet.

This represents another advance in communications technology by a group of hams who are a part of the so-called incapable, technically unqualified amateur licensees of this era. If ARRL doesn't grab the credit for this operation, their comments, if any, should be interesting. (ED)

Allied Radio Company has been making plans for sometime to present an annual award, similar in pattern to the now defunct Edison Award. Allied has just announced, however, that after careful study and consideration, they are dropping the idea. They feel that any such award would be more meaningful if it represented a collective effort by the entire industry, rather than any one company or group.

Traffic handlers note! The United States currently has 3rd party traffic agreements with Polivia, Canada, Chile, Costa Rica, Cuba, Haiti, Ecuador, El Salvador, Honduras, Liberia, Mexico, Nicaragua, Panama, Peru, Paraguay, San Domingo, Venezuela, and for Switzerland until December 31, 1963.

Anyone interested in helping with the BLURB? We are looking for regular contributors, assistant editors or any other kind of assistance that you may wish to offer. Contact the Editor, K3KUD.

CHANNEL CHATTER

W3PXY and family now living on a farm downriver from Bowman's Hill, near New Hope. Stop in and bring your shotgun for a trapshoot. George reports hearing K3HIJ, W3KDO, W3LEM, W3QQH, W3HFD, and W3LNQ on channel 1 via a horizontal beam and airplane reflection. —Jim, W3QQH, reports that all the rigs are now installed in the new car. —Brad, W3QV, reports that the balloon chase featured GAS-in the balloon, in the cars, and on the air! —Enie, K3GNJ, has found that it is not a good idea to carry relays on the back seat of his car, particularly when he has unexpected guests. —Ernie, W3DSG, almost paid for the coffee at Howard Johnson's one night recently. Unfortunately, Him, W3QQH, was closer to the cashier. —Bob, K3DJE, has joined the traveling Navy contingent of the club. Bob spent a week in Charleston, S.C. recently and wound up in the company of General Mark Clark and King Umberto of Italy. That's class! —Dave, WA2RDC, finally has the new operating position about completed. —Bill, W3YHV, worked channel 1 on SSB on the way to mid-month and then appeared at the meeting wearing a hard hat - for the beating he expected to get, no doubt. —Charlie, W3GOW, is making frequent runs to Cape Canaveral - a new astronaut, maybe? —Paul, W3VVS, is now collecting chrome-plated amplifiers. —Al, W3GIF, on a winter vacation - idle rich, you know. —

* * * * *

BALLOONATIC NEWS

Sunday, November 10, was the day and Doylestown Airport was the place. The cast of characters included W3UMK/m, K3KDP/m, K3EZJ/m, W3GIF/m, K3GNJ/m, W3JIL (hero first class), the balloon, a good looking professional model, and miscellaneous representatives of WCAU-TV.

The plot concerned an attempt to launch the balloon into the wild blue yonder, bearing among others, W3JIL, who was carrying two walkie-talkies. At 1045 the launch took place and the chasers were off and running. Ten miles and ten-thousand words later, the balloon landed in Richboro, after narrowly missing the fixed station of K3GBA, who was acting as net control for the operation. While aloft, W3JIL worked quite a few Phil-Monters with his walkie-talkies and was really putting out a nice signal from 1300 feet. At the point of landing, the chase cars converged and Dick, K3KDP, proved the value of his armored car (Land Rover) when he (1) plowed through a cornfield and (2) removed K3HWX/m from the mud.

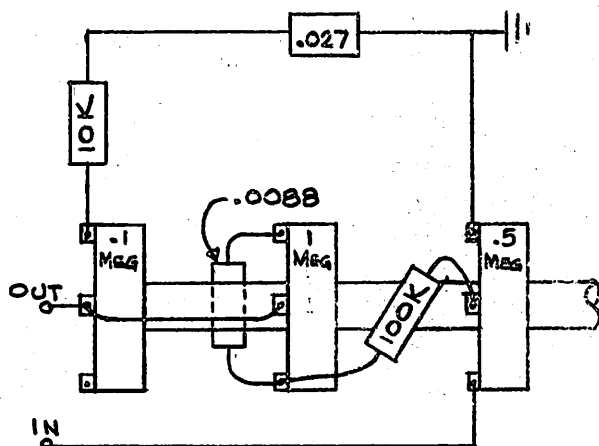
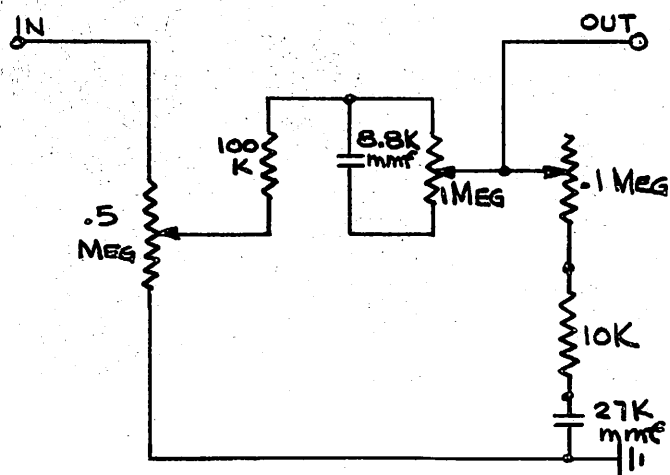
Between the first landing and the second launching, several Phil-Monters visited with K3GBA and W3HFD for eyeball (highball?) QSOs. When the balloon was launched for the second time, it headed for the sky and New Jersey, hotly pursued by the chase cars. Traffic direction for this part of the day's fun was handled by K2HAK, W3QV, and K3GBA. One of the Balloonatic chase cars was involved in an accident, fortunately without injuries, providing that it is impossible to watch a balloon in the sky and drive on the ground. Several Phil-Mont cars were on the spot and quickly summoned aid via channel 1. The final landing took place at Jobstown, N.J., near Fort Dix with all the mobiles present. In fact, there were more present at this point than there were at the second launching, W3DJW and W3QQH having joined the hunt. A very successful balloon chase and a lot of fun, pretty well sums up the feeling of those who took part.

Thanks to Enie, K3GNJ, who furnished the facts from which the above was put together. (ED)

PHILMONT TEK-NI-GRAM

DECEMBER 1963

LOUDNESS CONTROL FOR AUDIO BUGS



FLASH

WE HAVE JUST BEEN ADVISED THAT ARRL BULLETIN NO 634 ANNOUNCES AN ADDITIONAL CODE PRACTICE SESSION FROM W1AW. EFFECTIVE 16 NOVEMBER A HALF HOUR OF C.W. AT 10 & 15 W.P.M. WILL BE GIVEN EACH NIGHT FROM 0030 TO 0100 GMT.